

## Economical Alkyd Micaceous Iron Oxide (MIO)

<b>PRODUCT NAME :</b>	<b>PARAMIO 50</b>																									
<b>DESCRIPTION :</b>	A single pack coating formulated on modified alkyd pigmented with micaceous iron oxide.																									
<b>RECOMMENDED USE :</b>	<p>Designed to use as an economical anti-corrosive intermediate or finish coat in alkyd conventional coating systems.</p> <p>Typically applied to bridges, crane, pipelines and roofs in mild industrial environments.</p> <p>For use on steel and wood substrates.</p> <p>Suitable for both interior and exterior exposure.</p> <p>Capable of withstanding dry heat up to 120°C.</p>																									
<b>PERFORMANCE :</b>	<ul style="list-style-type: none"> <li>• Excellent barrier and anti-corrosive property</li> <li>• Excellent resistance to moisture vapour</li> <li>• Moderate resistance to aliphatic solvents</li> <li>• Excellent resistance to abrasion and weather</li> </ul>																									
<b>PHYSICAL PROPERTIES :</b>	<p>Volume Solids 50 %</p> <p>Theoretical Coverage 12.5 m<sup>2</sup>/litre @ 40 microns DFT</p> <p>Type One component</p> <p>Packing Ratio None</p> <p>Colour Availability Silver, Grey Black, Dark Grey and Natural Grey.</p> <p>Flash point 32°C</p> <p>Recommended Thickness 40 microns DFT</p> <p>Recommended Thinner Thinner No. 1</p>																									
<b>PRACTICAL APPLICATION RATES – microns per coat</b>		<i>Airless Spray</i>	<i>Conventional Spray</i>	<i>Brush</i>	<i>Roller</i>																					
	<i>Dry</i>	40	40	40	40																					
	<i>Wet</i>	80	80	80	80																					
<b>AVERAGE DRYING TIME</b>	<table border="1"> <thead> <tr> <th rowspan="2">Ambient Temperature</th> <th rowspan="2">Touch Dry</th> <th rowspan="2">Hard Dry</th> <th colspan="2">Overcoating Interval</th> </tr> <tr> <th>Minimum</th> <th>Maximum</th> </tr> </thead> <tbody> <tr> <td>15°C</td> <td>8 hours</td> <td>24 hours</td> <td>24 hours</td> <td>Indefinite</td> </tr> <tr> <td>25°C</td> <td>4 hours</td> <td>12 hours</td> <td>16 hours</td> <td>Indefinite</td> </tr> <tr> <td>35°C</td> <td>2 hours</td> <td>6 hours</td> <td>8 hours</td> <td>Indefinite</td> </tr> </tbody> </table>				Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval		Minimum	Maximum	15°C	8 hours	24 hours	24 hours	Indefinite	25°C	4 hours	12 hours	16 hours	Indefinite	35°C	2 hours	6 hours	8 hours	Indefinite
Ambient Temperature	Touch Dry	Hard Dry	Overcoating Interval																							
			Minimum	Maximum																						
15°C	8 hours	24 hours	24 hours	Indefinite																						
25°C	4 hours	12 hours	16 hours	Indefinite																						
35°C	2 hours	6 hours	8 hours	Indefinite																						

## Economical Alkyd Micaceous Iron Oxide (MIO)

Packing Shelf Life	5 litres and 20 litres 12 months under normal condition
SURFACE PREPARATION	<p><u>Steel</u> Remove all wax, oil and grease by solvent cleaning in accordance with the guideline given by SSPC-SP1. Soluble salt, dirt and dust must be removed prior to coating, Dry brushing should be sufficient. A fresh water wash must be followed to remove all soluble salts. Mechanically clean the surface using hand and power tools to a minimum standard of St.2(ISO8501-1:1988) or SSPC-SP2 to avoid polishing the surface. A suitable primer for this product is Paraprime P12 or Paraprime P14. If this product is to be applied to galvanized steel, apply Par Wash Primer first.</p>
APPLICATION DATA	
Application methods	Brush/Roller, Conventional Spray and Airless Spray
Mixing ratio (by volume) Thinner	None
Thinner Consumption	Thinner No. 1 Brush – 0-5% Conventional Spray – 5-10% Airless Spray – 0-5%
Airless Spray	<p>Nozzle Size : 0.43-0.54mm (17-21 thou) Fan Angle : 40° Operating Pressure : 110-150 kg/cm<sup>2</sup> (1600-2100 psi)</p>
Conventional Spray	<p>Nozzle Size : 1.27mm (50 thou) Atomising Pressure : 3.5 kg/cm<sup>2</sup> (50 psi) Fluid Pressure : 0.7 – 1.0 kg/cm<sup>2</sup> (10-15 psi)</p>
Brush	This product is suitable for brush application.
Roller	This product is suitable for roller application.
	 Application method  40° spraying tip  Practice proper cleaning
APPLICATION CONDITIONS AND OVERCOATING	<p>This product should preferably be applied at temperature in excess of 10°C. In conditions of high relative humidity i.e. 80-85%, good ventilation conditions are essential. Substrate temperature should be at least 3°C above the dew point. At application temperature below 10°C, drying and curing time will be significantly impaired. <b>Application at temperature below 5°C is not recommended.</b> If it is desired to overcoat outside the times stated on the data sheet, please seek advice from Kansai Coatings Malaysia representative.</p>
HEALTH AND SAFETY	<p>Consult Chemical Safety Data Sheet for information on safe handling and application of this product</p>  Keep sea tight  Secure upright  Wear proper protection  Practice proper disposal

For further information on Product Data, please contact: Protective Coatings Sales Department  
Kansai Paint Asia Pacific Sdn Bhd. (705919-W)  
4 Solok Waja 2, Kawasan Perindustrian Bukit Raja, 41710 Klang, Selangor, Malaysia. Tel: 6(03) 3362 2388 Fax: 6(03) 3344 7223

**DISCLAIMER:**

The information in this sheet is provided to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond the manufacturer's control, it is the sole responsibility of the buyer to obtain confirmation from the manufacturer on the suitability of the product for the intended use. Therefore, the manufacturer can accept no liability for the performance of the product, or any loss or damage arising out of such use. The information detailed in this data sheet is subject to change without notice in light of experience and of normal product development.